

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

|                                |   |                              |
|--------------------------------|---|------------------------------|
| In re Patent Application of    | ) |                              |
|                                | ) |                              |
| Hae-kyoung KIM                 | ) | Group Art Unit: Unassigned   |
|                                | ) |                              |
| Application No.: Unassigned    | ) | Examiner: Unassigned         |
|                                | ) |                              |
| Filed: July 11, 2003           | ) | Confirmation No.: Unassigned |
|                                | ) |                              |
| For: NANOCOMPOSITE ELECTROLYTE | ) |                              |
| MEMBRANE AND FUEL CELL         | ) |                              |
| EMPLOYING THE SAME             | ) |                              |
|                                | ) |                              |

**FIRST**  
**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure as set forth in 37 C.F.R. § 1.56, Applicant hereby submits the following information in conformance with 37 C.F.R. §§ 1.97 and 1.98.

Pursuant to 37 C.F.R. § 1.98, a copy of each of the documents cited is enclosed.

The documents are being submitted within three (3) months of the filing or entry of the national stage of this application or before the first Office Action on the merits, whichever is later. Since the documents are being filed within the time period set forth in 37 C.F.R. § 1.97(b) no fee or statement is required.

To assist the Examiner, the documents are listed on the attached form PTO-1449. It is respectfully requested that an Examiner-initialed copy of this form be returned to the undersigned.

Respectfully submitted,

BURNS, DOANE, SWECKER & MATHIS, L.L.P.

Date: July 11, 2003

By: 

Charles F. Wieland III  
Registration No. 33,096

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Alexandria, Virginia 22313-1404  
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| Substitute for forms 1449A/PTO & 1449B/PTO<br><br><b>FIRST INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b> | ATTORNEY'S DKT NO.<br>030681-531 | APPLICATION NO.<br>Unassigned |
|  | APPLICANT<br>Hae-kyoung KIM      |                               |
|  | FILING DATE<br>July 11, 2003     | GROUP<br>Unassigned           |

| U.S. PATENT DOCUMENTS |                 |                      |   |                                     |
|-----------------------|-----------------|----------------------|---|-------------------------------------|
| Examiner Initials     | Document Number | Kind Code (if known) | Name of Patentee or Applicant of Cited Document | Issue/Publication Date (MM-DD-YYYY) |
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| Examiner Initials        | Document Number | Kind Code (if known) | Country | Date of Publication (MM-DD-YYYY) | Translation Yes No |
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| NON PATENT LITERATURE DOCUMENTS |   |
|---------------------------------|---|
| Examiner Initials               | Include name of author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
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| Examiner Signature |  | Date Considered |  |
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